Wilcox Oil Company Superfund Site
Bristow, Creek County, Oklahoma

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Date: 8/13/20

Ground Water Collection Field Form

Well ID: LPA-GW-01 Sample ID: LPA-GW-01 Sample Time: 1400

Casing diameter/type: 1" Well location: LPA Weather: Clear 90
Screened interval(s): 4-14 Sampling personnel: WG, JM
Total depth: 14 Sampling method: Peri.
Initial depth to water (w/o pump): / Water level indicator: /
Final depth to water (w/o pump): / Water quality meter: YSI
Measuring point: **North side of casing** Pump depth setting: 13 Pump type/model:

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ < 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
1355	22.23	0.607	47.9	3.68	5.08	308.6	/	/	OK	/	

Note:
Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)

VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: WG

90103656

Wilcox Oil Company Superfund Site
Bristow, Creek County, Oklahoma

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Date: 8/14/20

Ground Water Collection Field Form

Well ID: LPA-Gw-02 Sample ID: LPA-Gw-02 Sample Time: 820

Casing diameter/type: 1" Well location: LPA Weather: 73 Clear
Screened interval(s): 5-15 Sampling personnel: WG DS
Total depth: 15' Sampling method: Peri
Initial depth to water (w/o pump): / Water level indicator: /
Final depth to water (w/o pump): / Water quality meter: YSI
Measuring point: **North side of casing** Pump depth setting: 14 Pump type/model:

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ < 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
815	19.83	0.542	33.3	2.81	4.73	178.3	/	/	OL	/	

Note:
Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)		
VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: WG

Wilcox Oil Company Superfund Site
Bristow, Creek County, Oklahoma

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Date: 8/13/20

WPA-GW-01 WPA-GW-01 **Ground Water Collection Field Form**

Well ID: ~~GW-01~~ Sample ID: WPA-GW-01-D Sample Time: 810

Casing diameter/type: 1" Well location: WPA Weather: Clear, 71°

Screened interval(s): 15-25 Sampling personnel: WG JM

Total depth: 25 Sampling method: Peri

Initial depth to water (w/o pump): 24 Water level indicator: /

Final depth to water (w/o pump): / Water quality meter: YSI

Measuring point: **North side of casing** Pump depth setting: 24 Pump type/model:

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ < 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
0805	19.95	0.755	52.7	4.77	6.27	121.2	/	/	103.5		

Note:
Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)		
VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: WG

Wilcox Oil Company Superfund Site
Bristol, Creek County, Oklahoma

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Date: 8/11/20

WPA-GW-02 Ground Water Collection Field Form

Well ID: WPA-GW-02 Sample ID: 11 Sample Time: 1415

Casing diameter/type: / Well location: WPA Weather: Overc 90°

Screened interval(s): 20-24 Sampling personnel: WG JM

Total depth: 24 Sampling method: Hydroprobe / Hydropunch

Initial depth to water (w/o pump): / Water level indicator:

Final depth to water (w/o pump): / Water quality meter: YSI

Measuring point: **North side of casing** Pump depth setting: 24 Pump type/model:

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ < 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
1400	26.74	0.674	57.3	4.28	4.51	281.1	/		OR		Can't low-flow Not enough Recharge

Note:

Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)

VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: WC

Wilcox Oil Company Superfund Site
Bristow, Creek County, Oklahoma

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Ground Water Collection Field Form

Well ID: WPA-GW-04 Sample ID: WPA-GW-04 Sample Time: 1335

Casing diameter/type: 1" Well location: WPA Weather: Clear - 90°
Screened interval(s): 2-12 Sampling personnel: WG JM
Total depth: 12 Sampling method: Peri
Initial depth to water (w/o pump): / Water level indicator: /
Final depth to water (w/o pump): / Water quality meter: YSI
Measuring point: **North side of casing** Pump depth setting: 11 Pump type/model:

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ< 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
1330	23.16	0.271	89.1	7.08	5.60	197.1	/	/	OR		

Note:
Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)

VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: _____

Wilcox Oil Company Superfund Site
Bristow, Creek County, Oklahoma

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Date: 8/13/20

Ground Water Collection Field Form

Well ID: WPA-Gw-06 Sample ID: WPA-Gw-06 Sample Time: 0910

Casing diameter/type: 1" | Well location: WPA | Weather: Clear 75°
Screened interval(s): 0-9 | Sampling personnel: WG JM
Total depth: 9 | Sampling method: Peri
Initial depth to water (w/o pump): / | Water level indicator: /
Final depth to water (w/o pump): / | Water quality meter: YSI
Measuring point: **North side of casing** | Pump depth setting: 8.5 | Pump type/model: Pegasus

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ < 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
											Can't Get Parameter Too Turbid / Too much Free Product

Note:
Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)

VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: WG

Wilcox Oil Company Superfund Site
Bristow, Creek County, Oklahoma

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Ground Water Collection Field Form

Well ID: WPA-GW-07 Sample ID: WPA-GW-07 Sample Time: 1040

Casing diameter/type: 1" | Well location: WPA | Weather: Clear 78°
Screened interval(s): 15-25 | Sampling personnel: WG JM
Total depth: 25 | Sampling method: Peri
Initial depth to water (w/o pump): / | Water level indicator: /
Final depth to water (w/o pump): / | Water quality meter: YSI
Measuring point: **North side of casing** | Pump depth setting: 24 | Pump type/model:

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ < 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
1035	20.45	0.711	44.8	3.27	6.04	150.9	/	/	OL		Very strong Hydroc odor

Note:
Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)

VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: WC

Wilcox Oil Company Superfund Site
Bristow, Creek County, Oklahoma

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WPA-Gw-04 Ground Water Collection Field Form

Well ID: WPA Gw-04 Sample ID: WPA-Gw-04-D Sample Time: 0940

Casing diameter/type: 1" Well location: WPA Weather: Clear 75°

Screened interval(s): 5-15 Sampling personnel: WG, JM

Total depth: 15 Sampling method: Peri

Initial depth to water (w/o pump): / Water level indicator: /

Final depth to water (w/o pump): / Water quality meter: YSI

Measuring point: **North side of casing** Pump depth setting: 14 Pump type/model:

	Δ < 1° C	Δ < 3%	Δ <10%	Δ <10%	Δ < 0.1 pH	Δ < 10 mV	Δ < 0.3 ft	< 1L/min	Δ < 10 NTU		Parameter Stabilization Limits (3 consecutive readings)
Time	**Temp (°C)**	**Conductivity (mS/cm) or (µS/cm)**	**DO (%)**	**DO (mg/L)**	**pH**	**ORP (mV)**	**Water Level (feet btoc)**	**Flow Rate (L/min) or (mL/min)**	**Turbidity (NTU)**	**Purge Volume (L) or (mL)**	**Additional Comments**
0935	22.46	0.314	22.8	1.98	6.80	133.5	/	/	OK		

Note:
Parameter Stabilization Limits:
(3 consecutive readings) for percent difference type parameters
Percent difference formula =
ABS[((first reading - second reading)/first reading) x 100]
Ex: Readings 12, 16, 15, 13
((12-16)/12)*100 = 33% ((16-15)/16)*100 = 6%
((15-13)/15)*100 = 13% In example, stabilization has not occurred.

Analyses: (circle those collected and indicate the number of containers)

VOCs	Metals	Pesticides
SVOCS	Hexavalent Chromium	Aroclors

Recorded By: WG